



The Latest Prescription Trends for Controlled Prescription Drugs

September 1, 2015

Christopher M. Jones PharmD, MPH

Senior Advisor

Office of Public Health Strategy and Analysis

Office of the Commissioner

Food and Drug Administration

Overview

- Data source
- Opioid analgesics
- Benzodiazepines
- Stimulants
- Opioid use disorder medication assisted treatments
- Conclusions

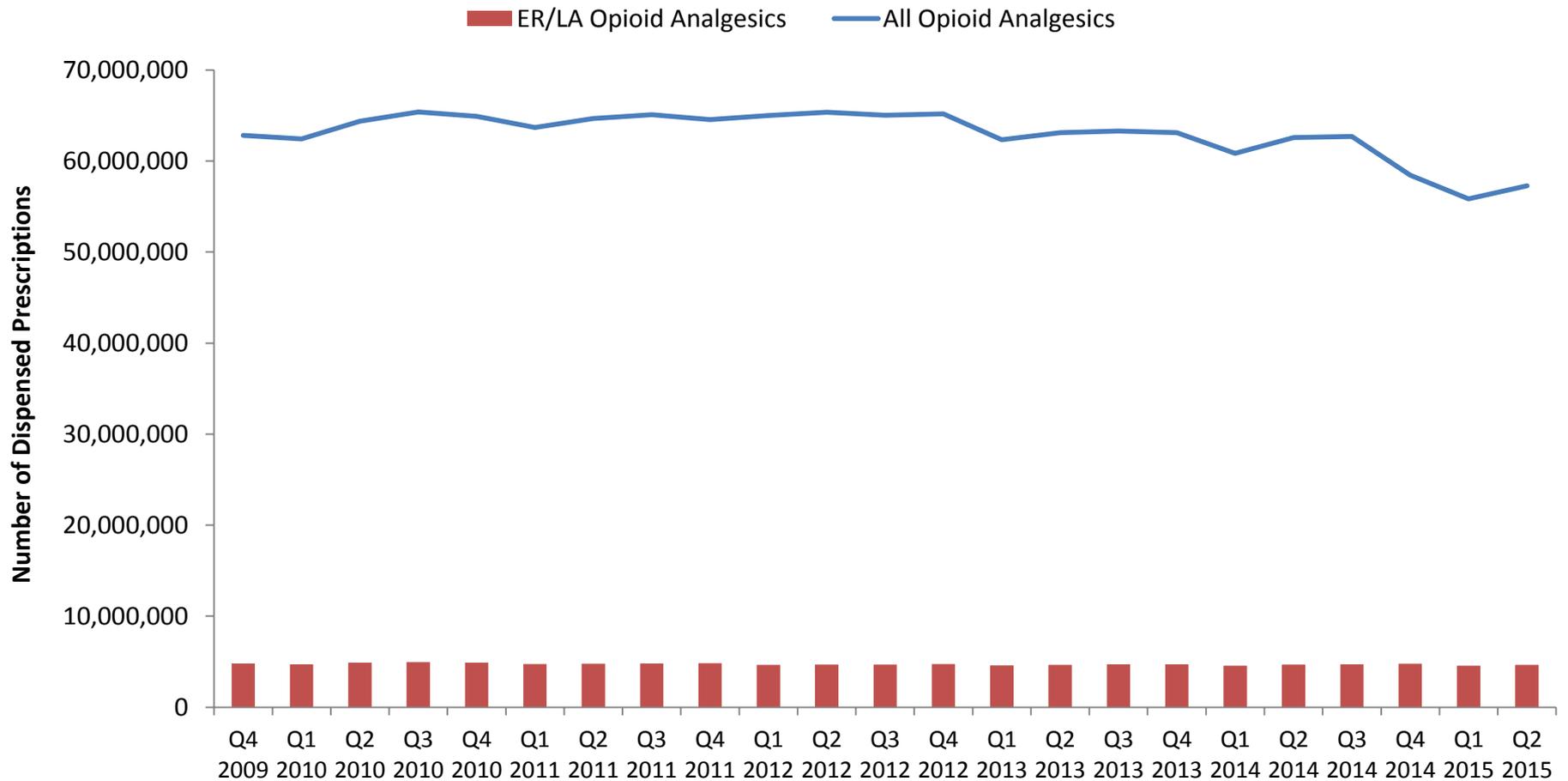
Data Source

- Data from IMS Health
 - National Prescription Audit
 - National Prescription Audit Extended Insights



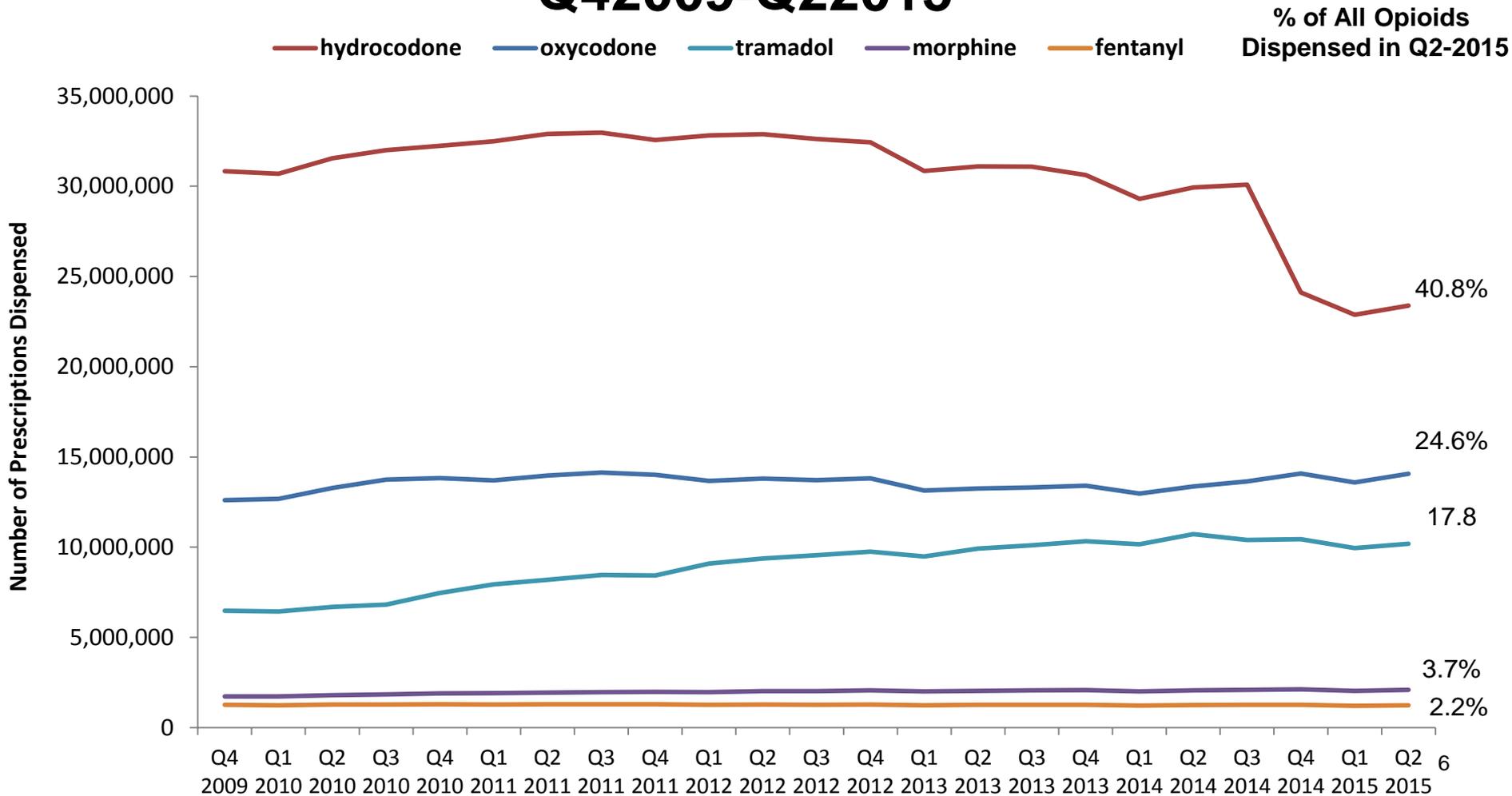
OPIOID ANALGESICS

Opioid analgesic prescriptions dispensed from US retail pharmacies, Q42009-Q22015





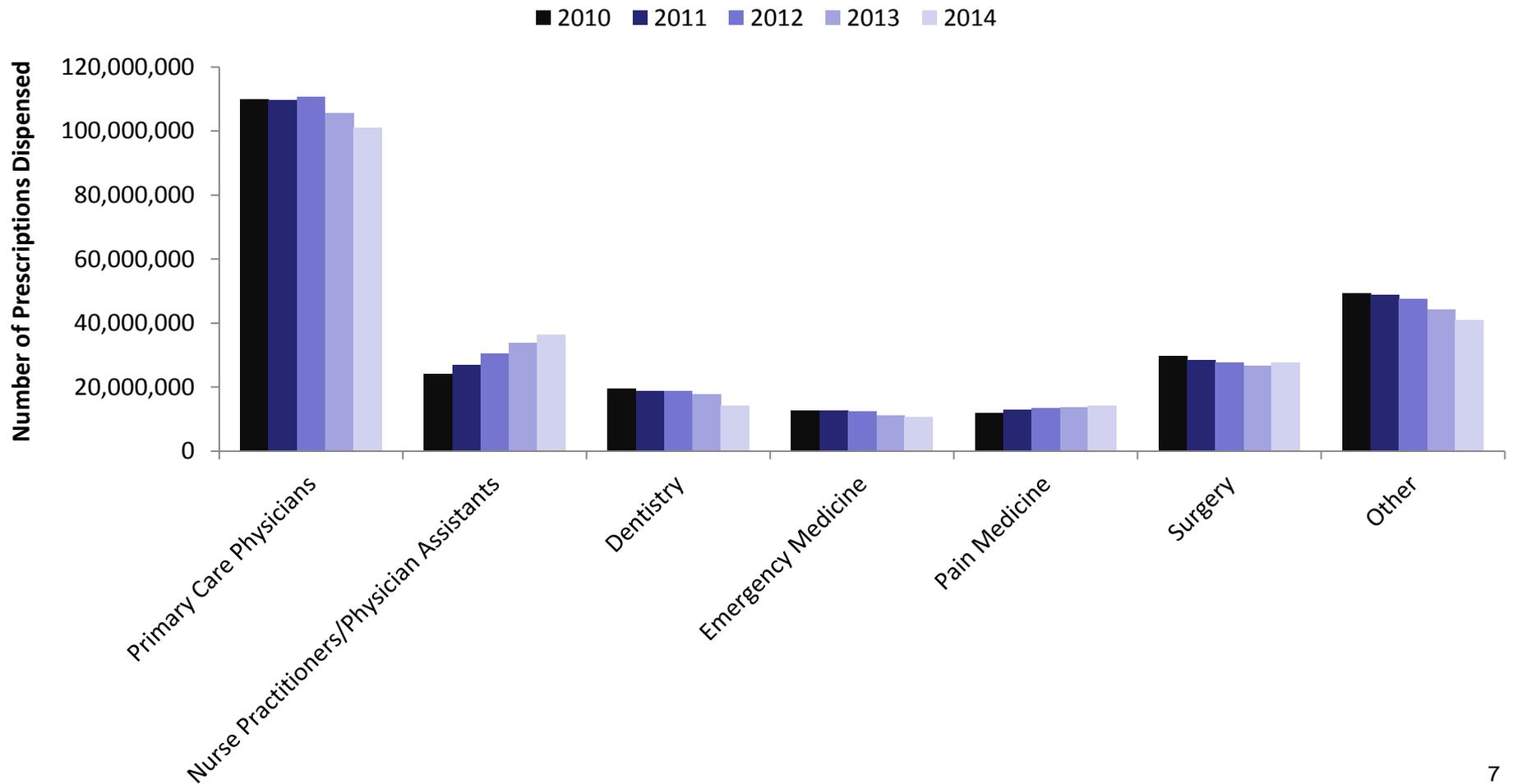
Opioid analgesic prescriptions dispensed from US retail pharmacies for select opioids, Q42009-Q22015



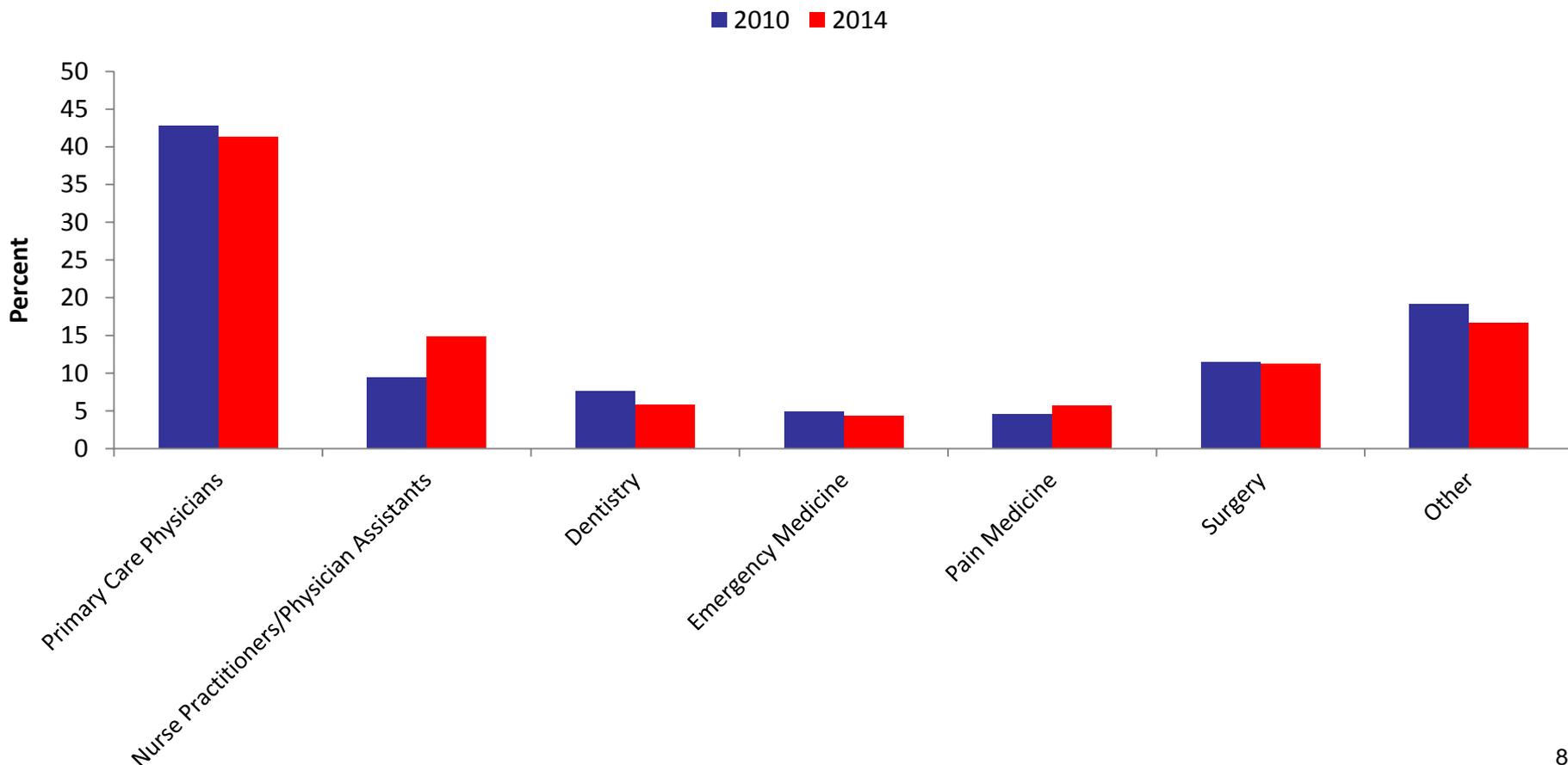
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015



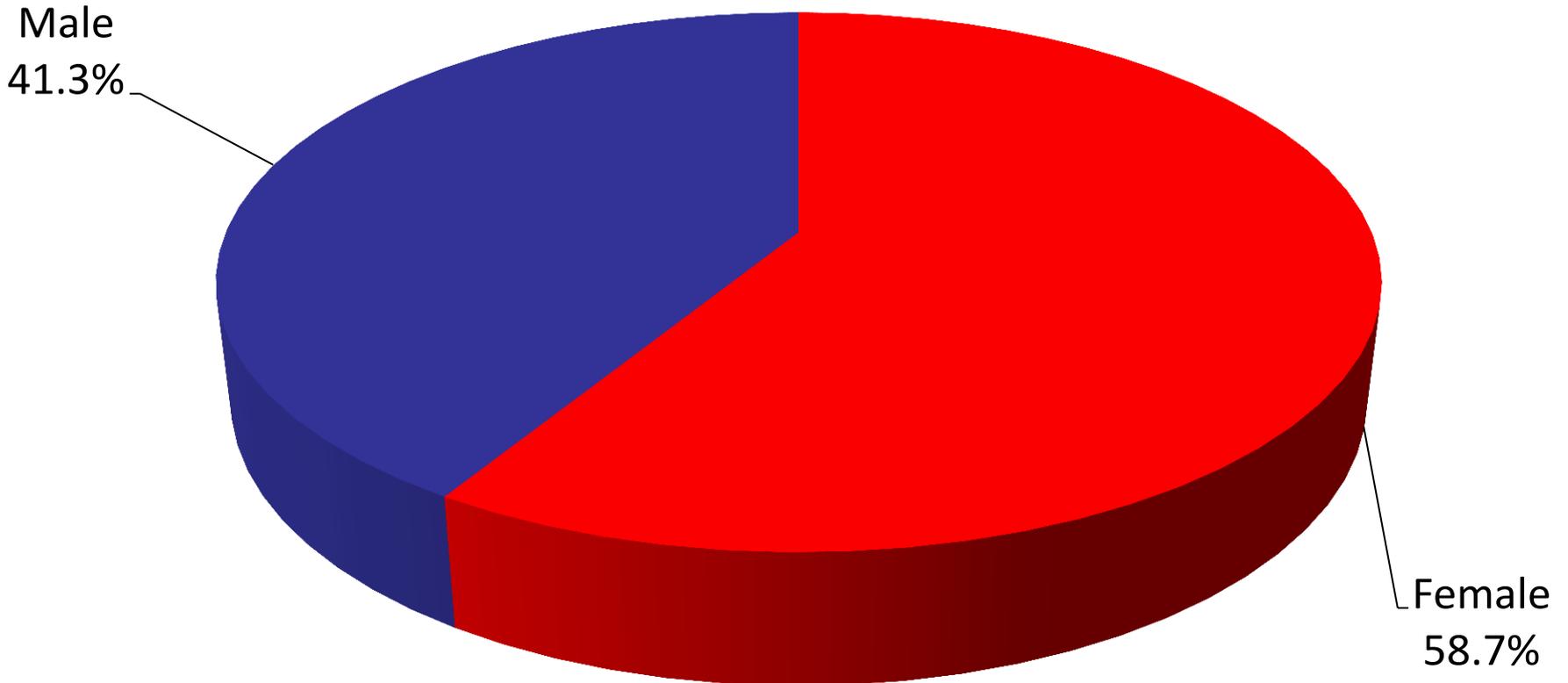
Opioid analgesic prescriptions dispensed from US retail pharmacies by provider specialty, 2010-2014



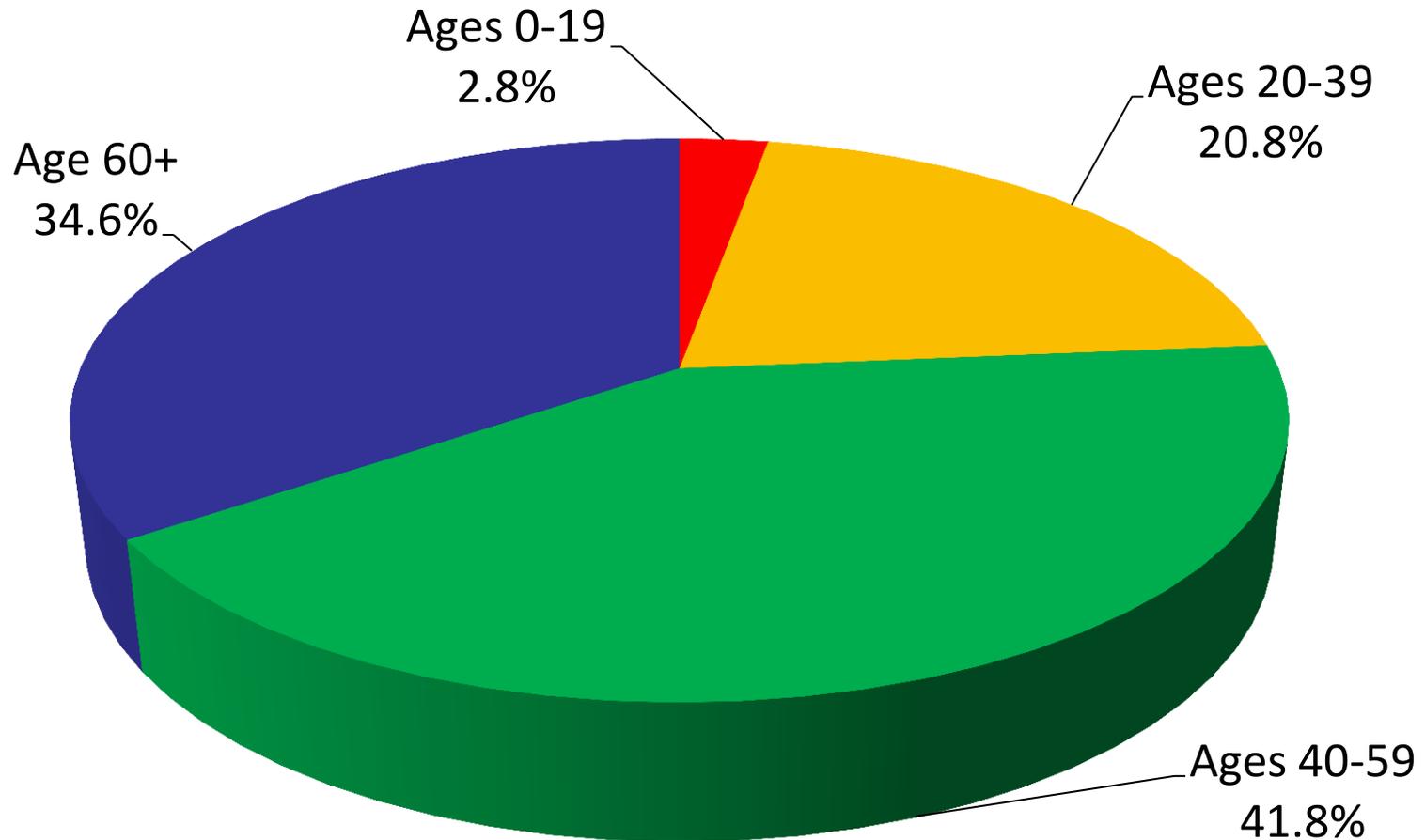
Percentage of opioid analgesic prescriptions dispensed from US retail pharmacies by specialty, 2010 vs 2014



Opioid analgesic prescriptions dispensed from US retail pharmacies by gender, August 2014-July 2015



Opioid analgesic prescriptions dispensed from US retail pharmacies by age group, August 2014-July 2015

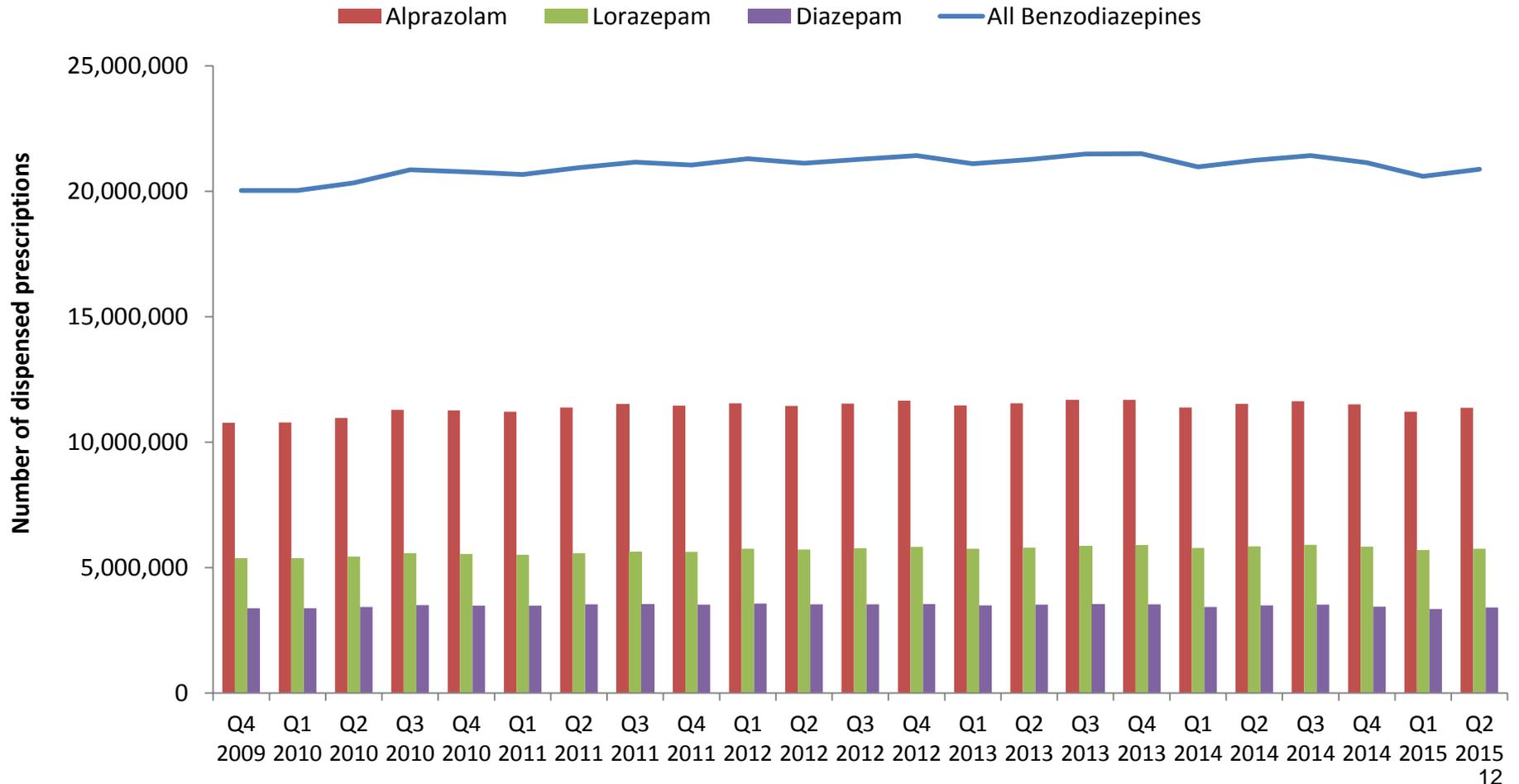




BENZODIAZEPINES



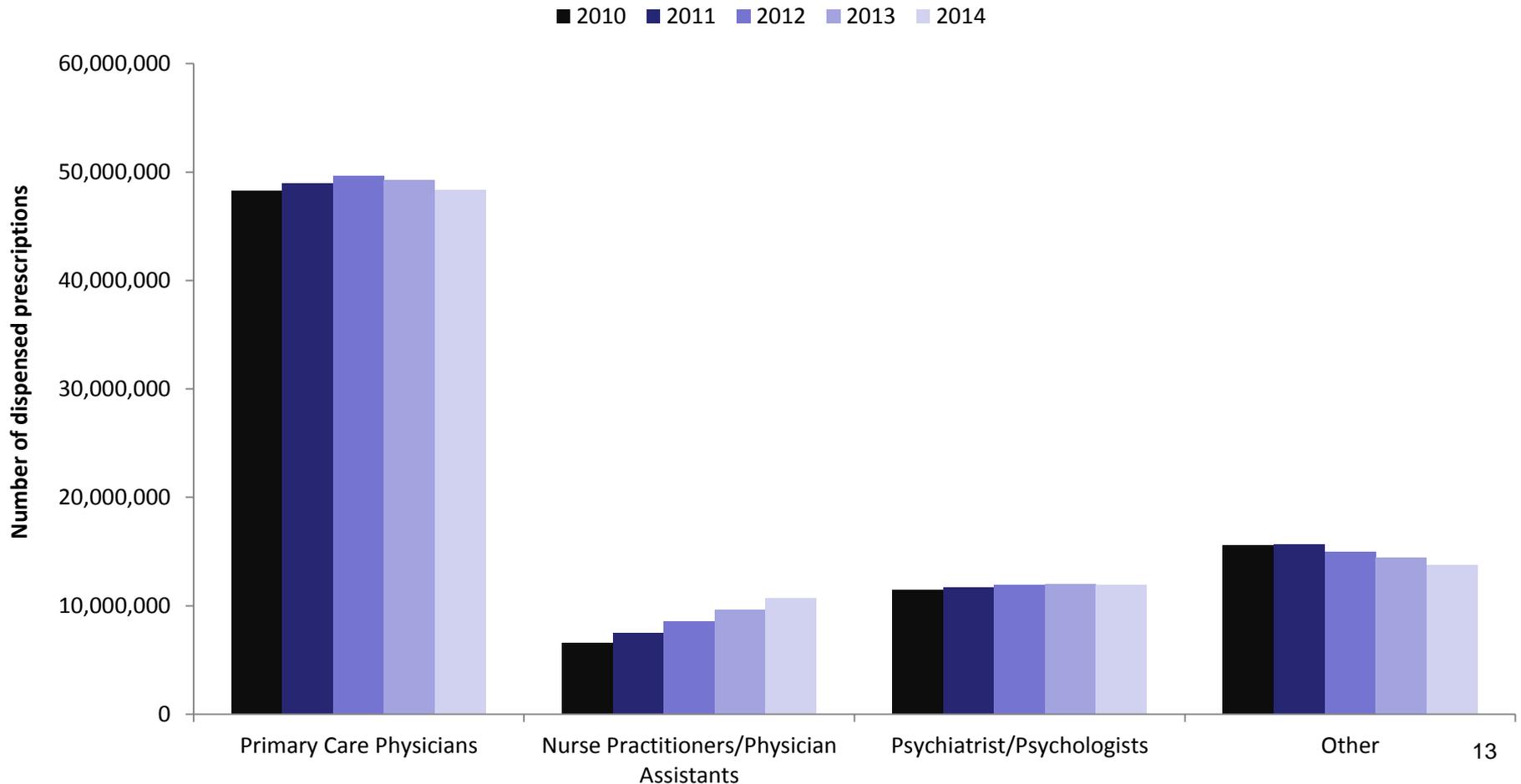
Benzodiazepine prescriptions dispensed from US retail pharmacies, Q42009-Q22015



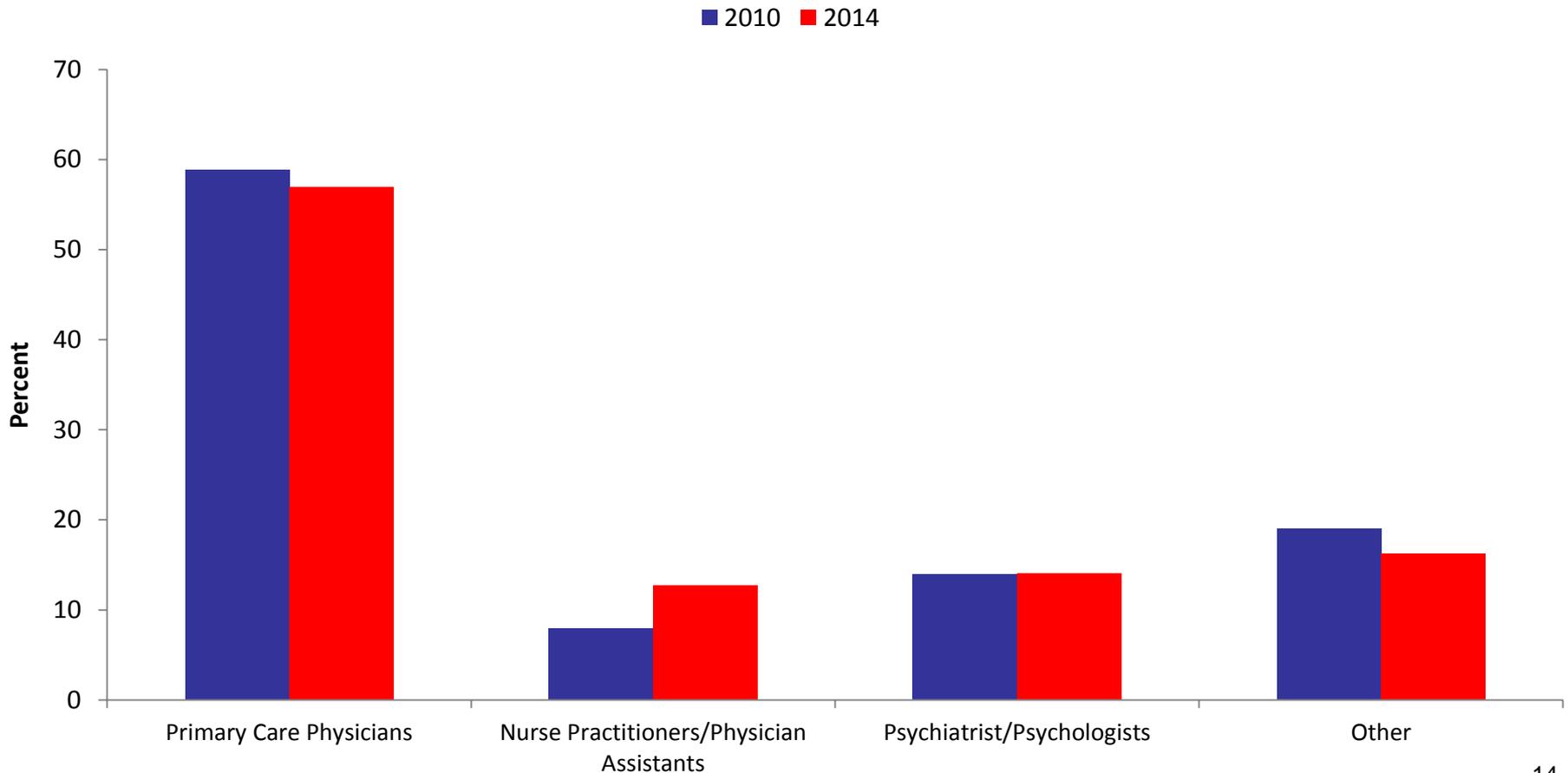
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015



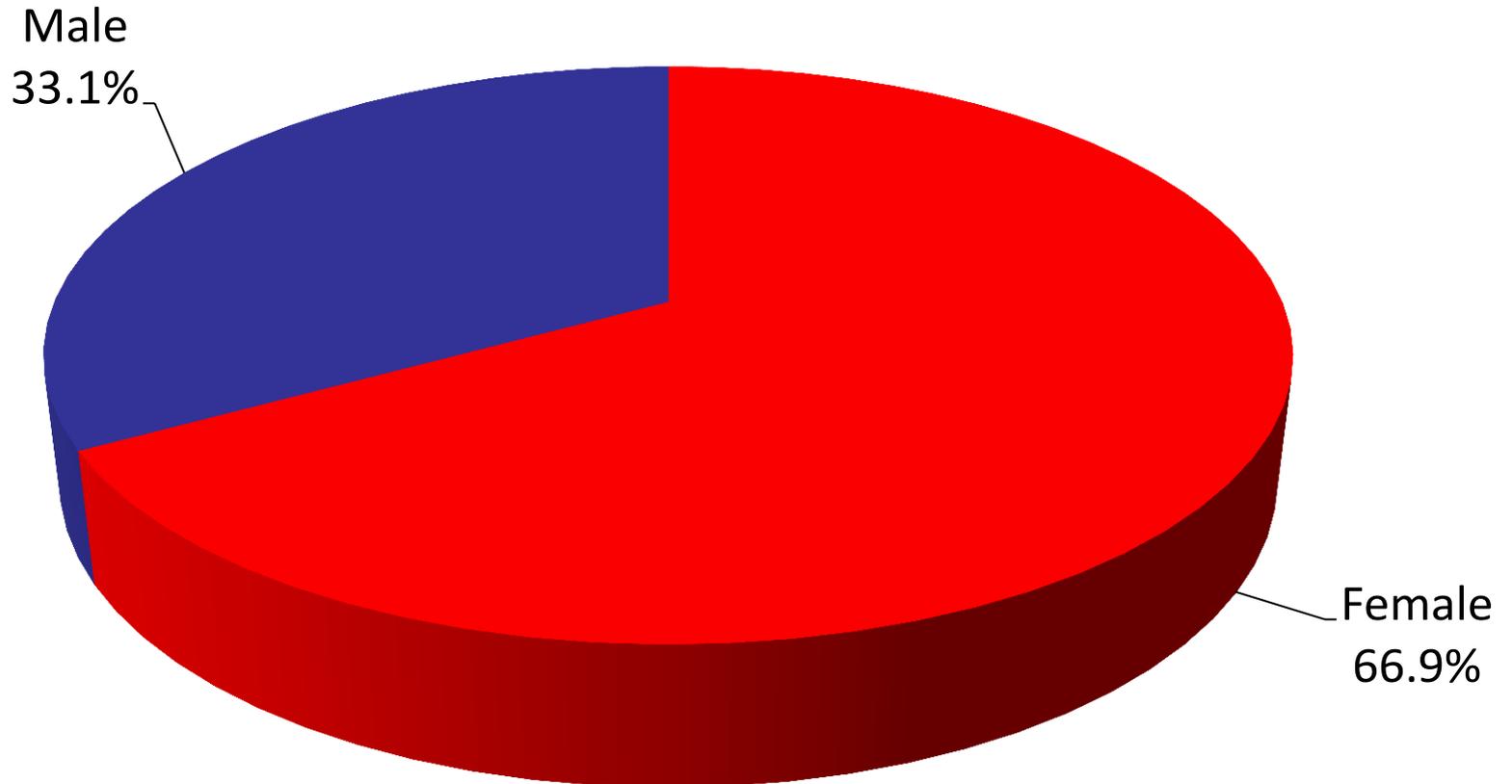
Benzodiazepine prescriptions dispensed from US retail pharmacies by provider specialty, 2010-2014



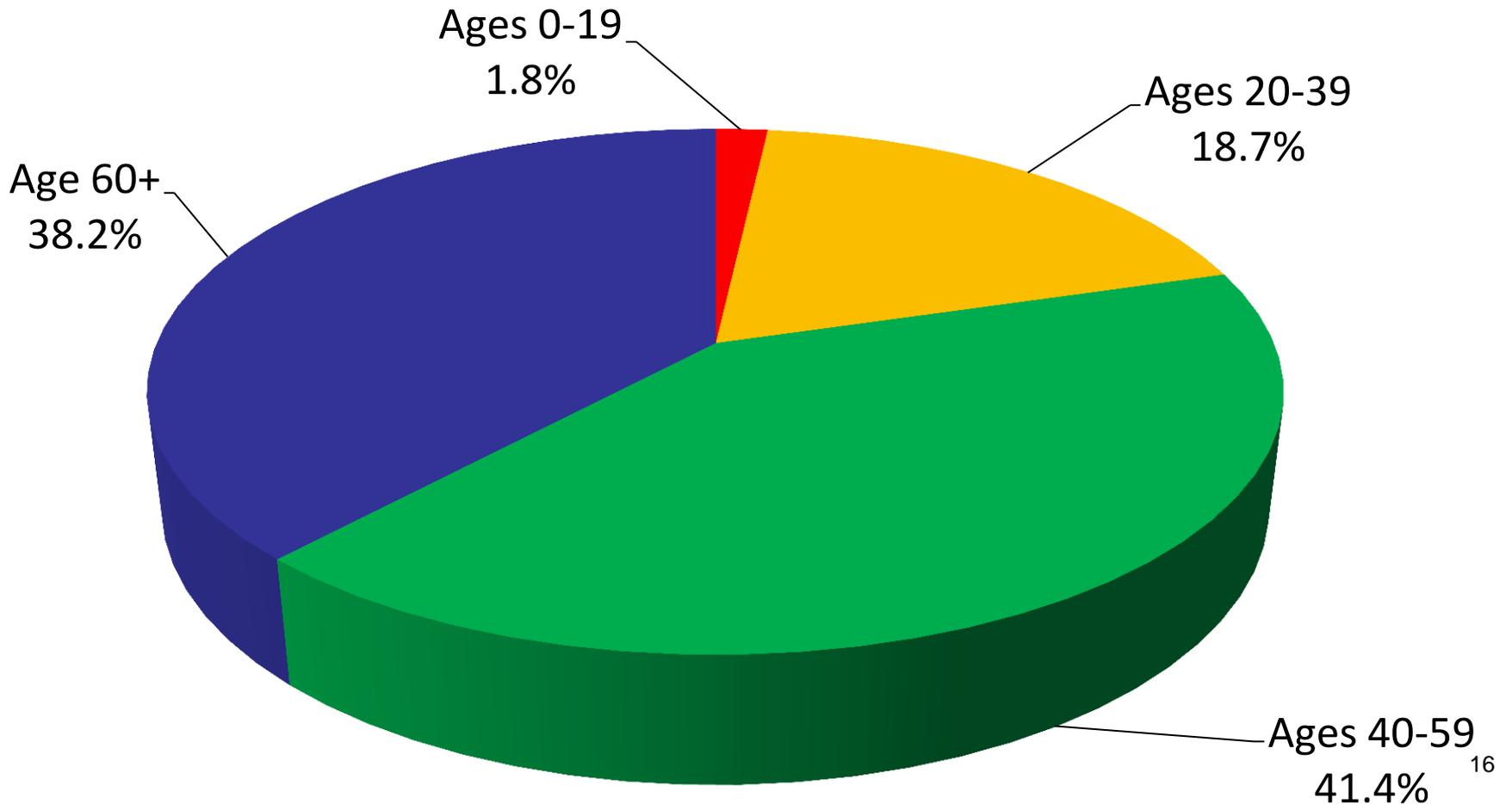
Percentage of benzodiazepine prescriptions dispensed from US retail pharmacies by specialty, 2010 vs 2014



Benzodiazepine prescriptions dispensed from US retail pharmacies by gender, August 2014-July 2015



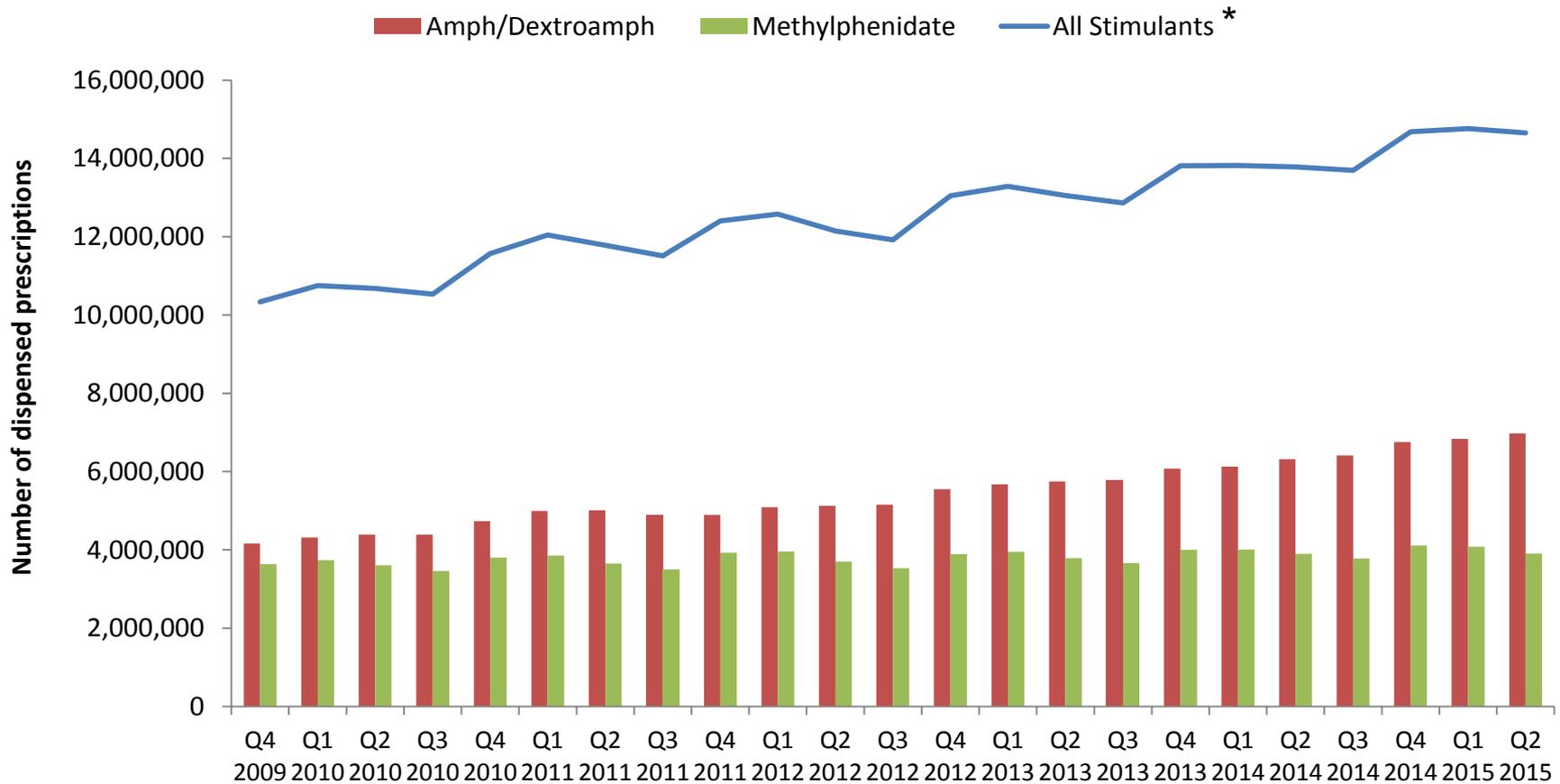
Benzodiazepine prescriptions dispensed from US retail pharmacies by age group, August 2014-July 2015





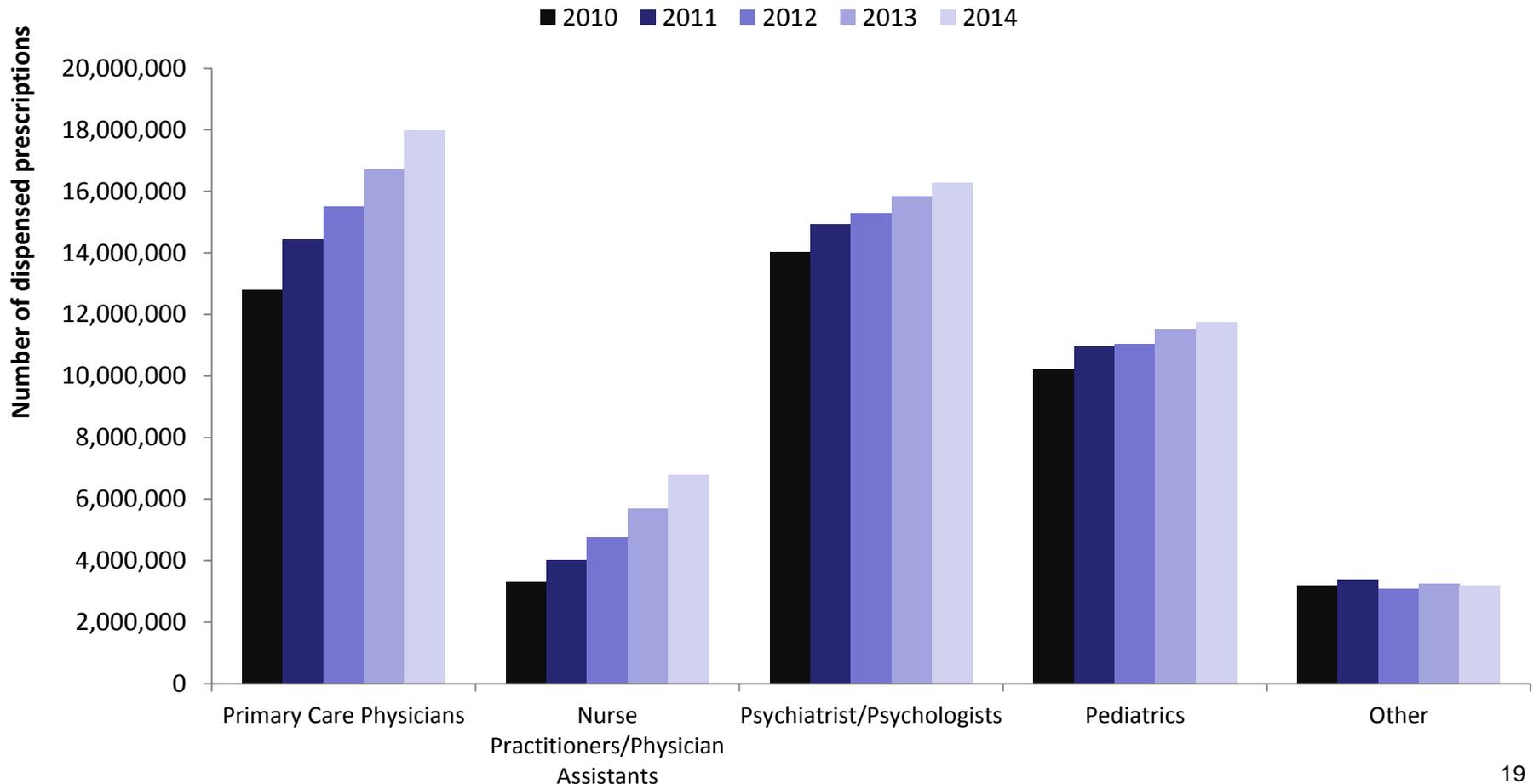
STIMULANTS

Stimulant* prescriptions dispensed from US retail pharmacies, Q42009-Q22015



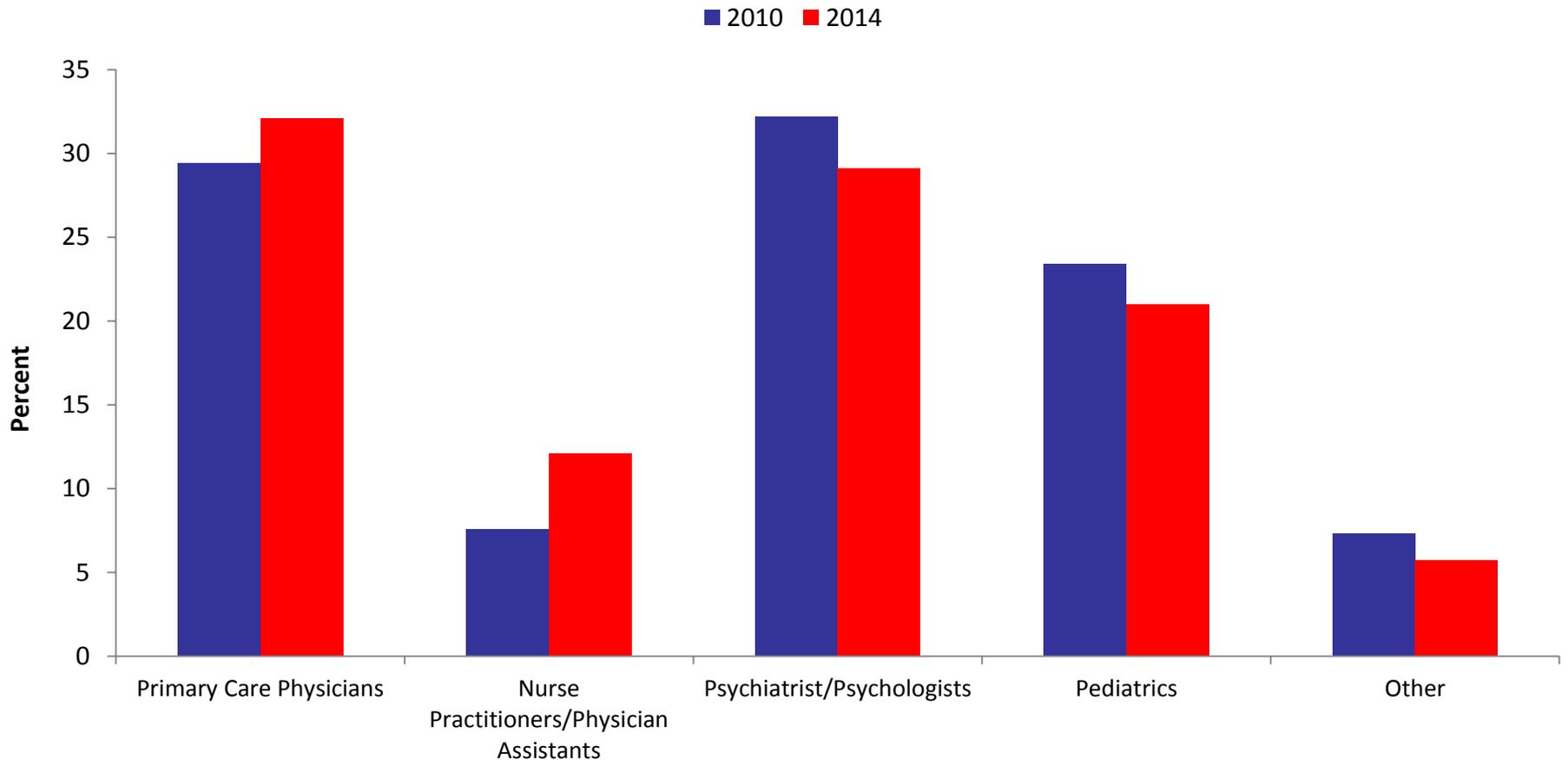
* includes: amphetamine, amphetamine-dextroamphetamine, dextroamphetamine, dexmethylphenidate, lisdexamfetamine, methamphetamine, methylphenidate, pemoline
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015

Stimulant* prescriptions dispensed from US retail pharmacies by provider specialty, 2010-2014

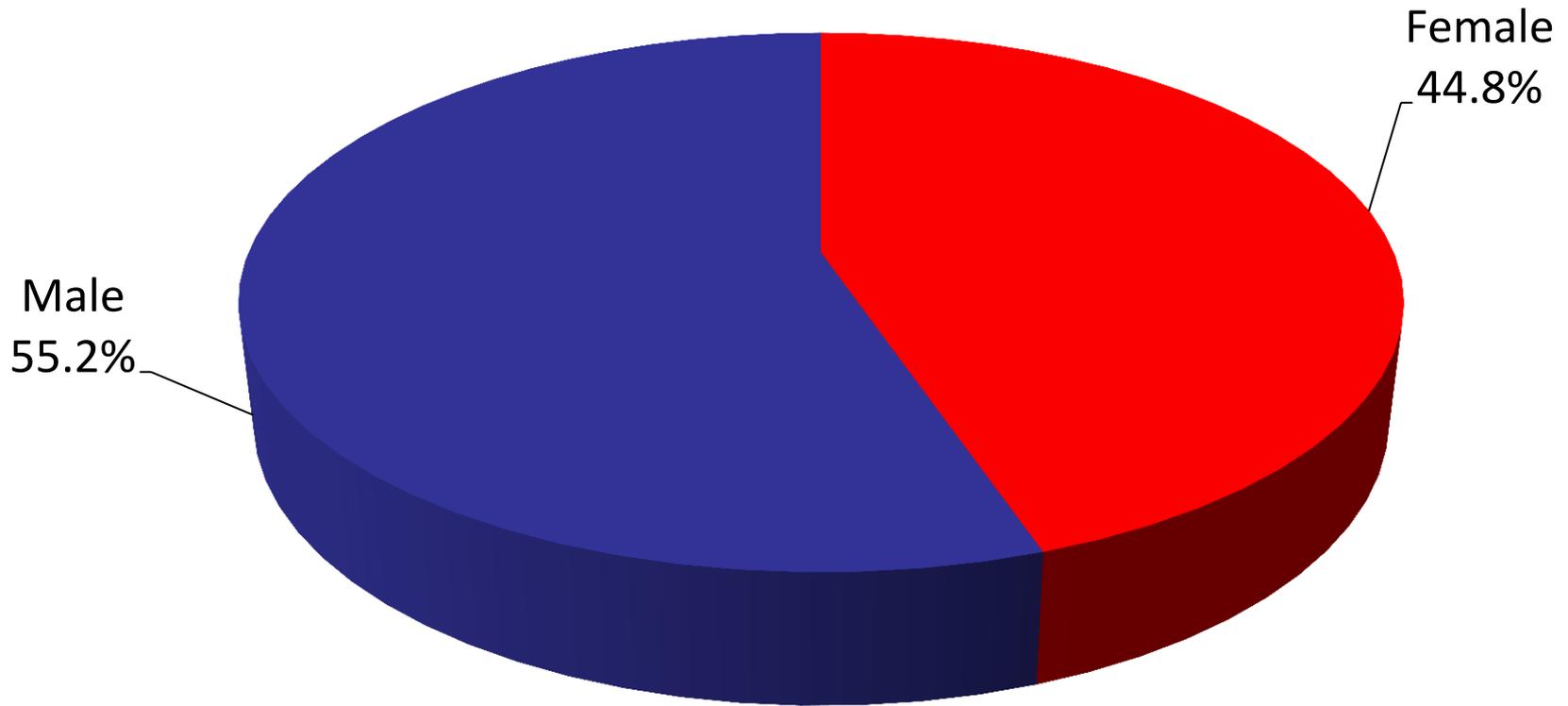


* includes: amphetamine, amphetamine-dextroamphetamine, dextroamphetamine, dexmethylphenidate, lisdexamfetamine, methamphetamine, methylphenidate, pemoline
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015

Percentage of stimulant* prescriptions dispensed from US retail pharmacies by specialty, 2010 vs 2014

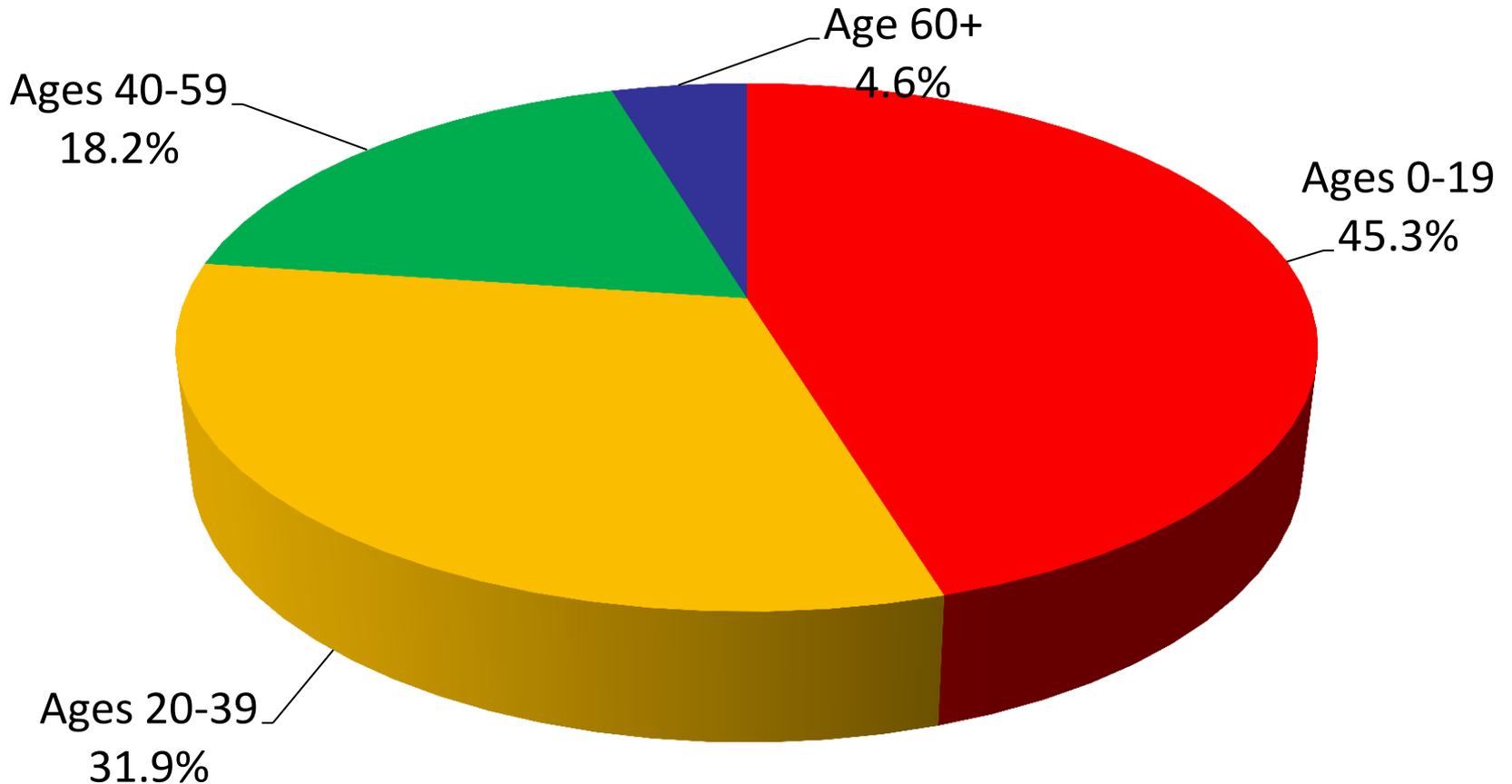


Stimulant* prescriptions dispensed from US retail pharmacies by gender, August 2014-July 2015



*includes: amphetamine, amphetamine-dextroamphetamine, dextroamphetamine, dexmethylphenidate, lisdexamfetamine, methamphetamine, methylphenidate, Pemoline, modafinil, armodafinil, caffeine,

Stimulant* prescriptions dispensed from US retail pharmacies by age group, August 2014-July 2015



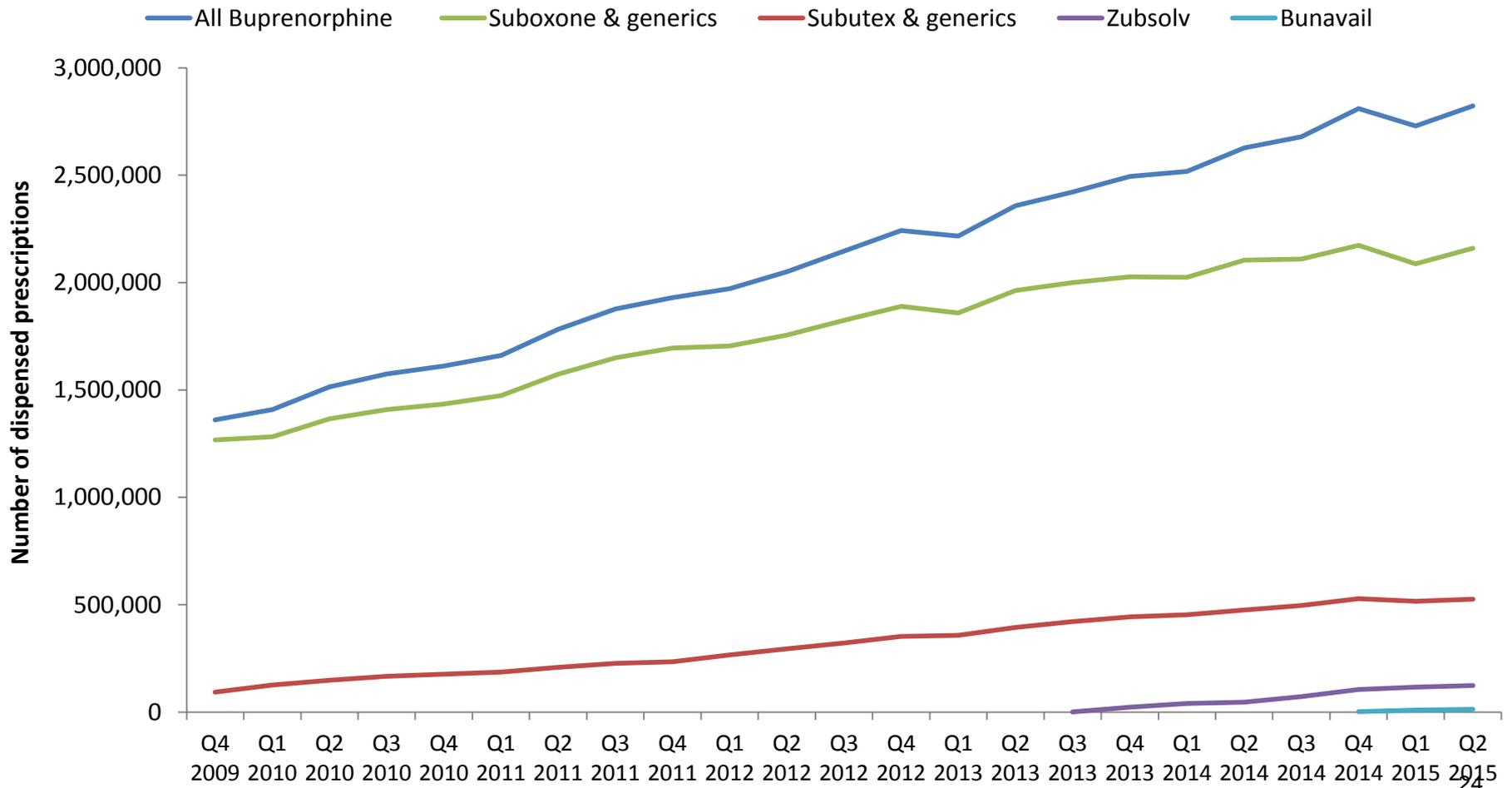
*includes: amphetamine, amphetamine-dextroamphetamine, dextroamphetamine, dexmethylphenidate, lisdexamfetamine, methamphetamine, methylphenidate, Pemoline, modafinil, armodafinil, caffeine,



OPIOID USE DISORDER MEDICATION ASSISTED TREATMENTS



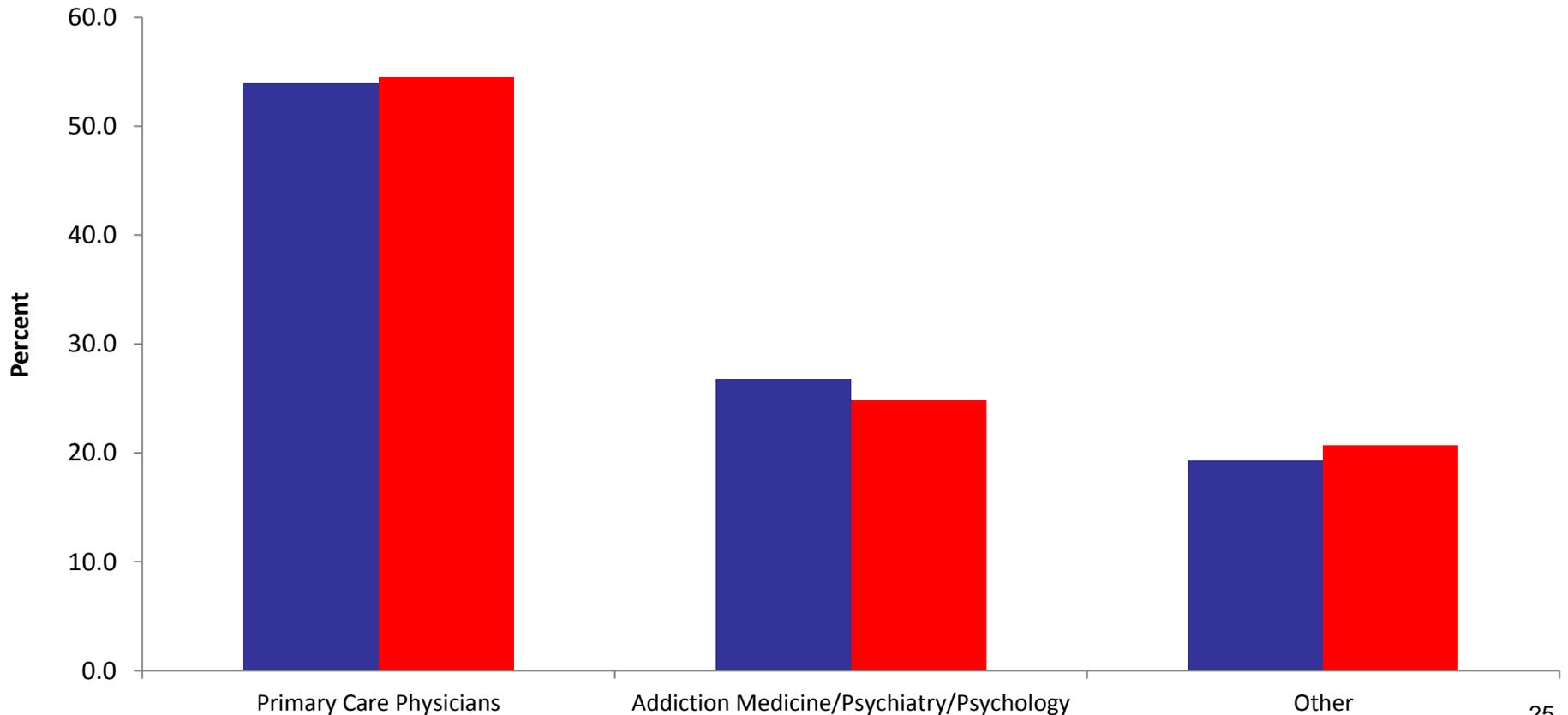
Buprenorphine* prescriptions dispensed from US retail pharmacies, Q42009-Q22015



*Does not include Butrans or Buprenex (or generics)
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015

Percentage of buprenorphine* prescriptions dispensed from US retail pharmacies by specialty, 2010 vs 2014

■ 2010 ■ 2014

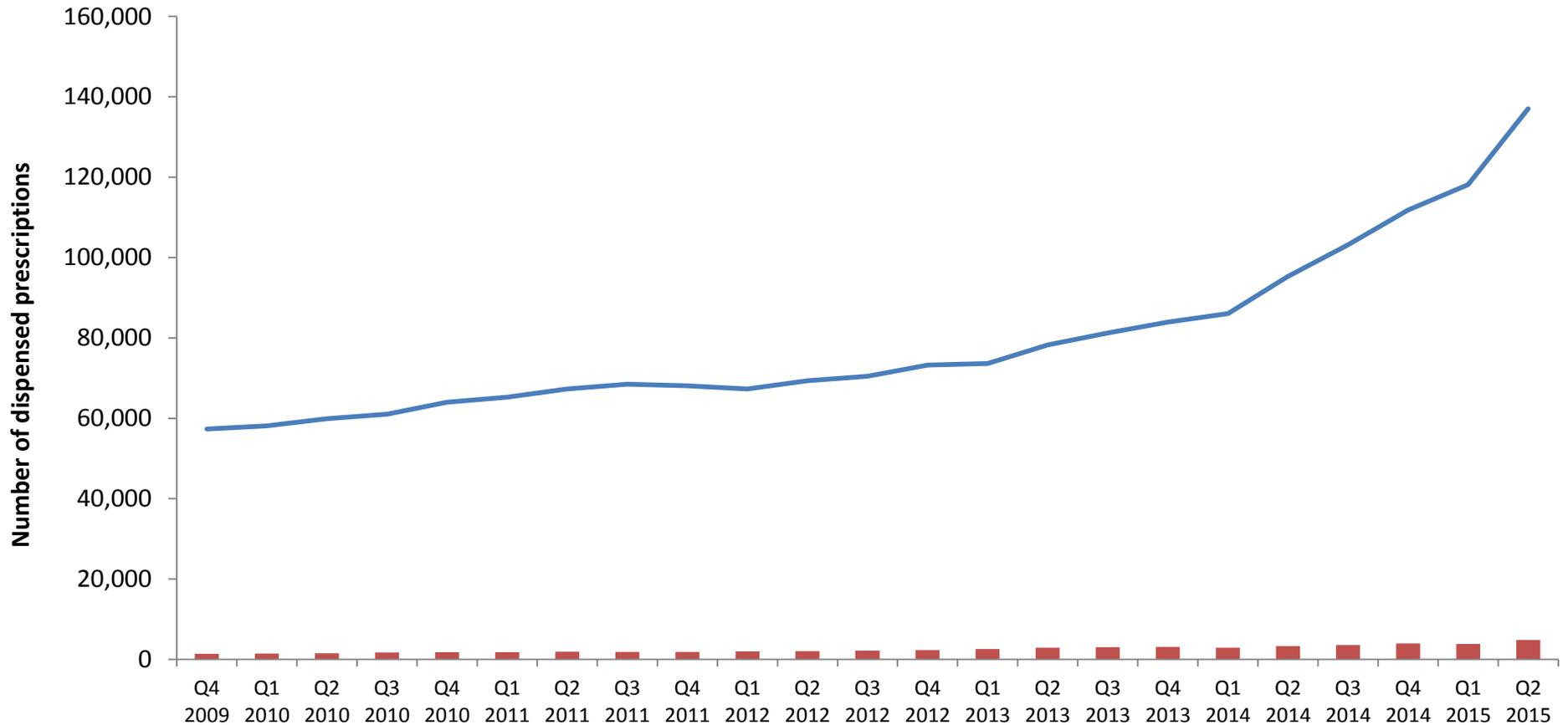


*Does not include Butrans or Buprenex (or generics)
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015



Naltrexone* prescriptions dispensed from US retail pharmacies†, Q42009-Q22015

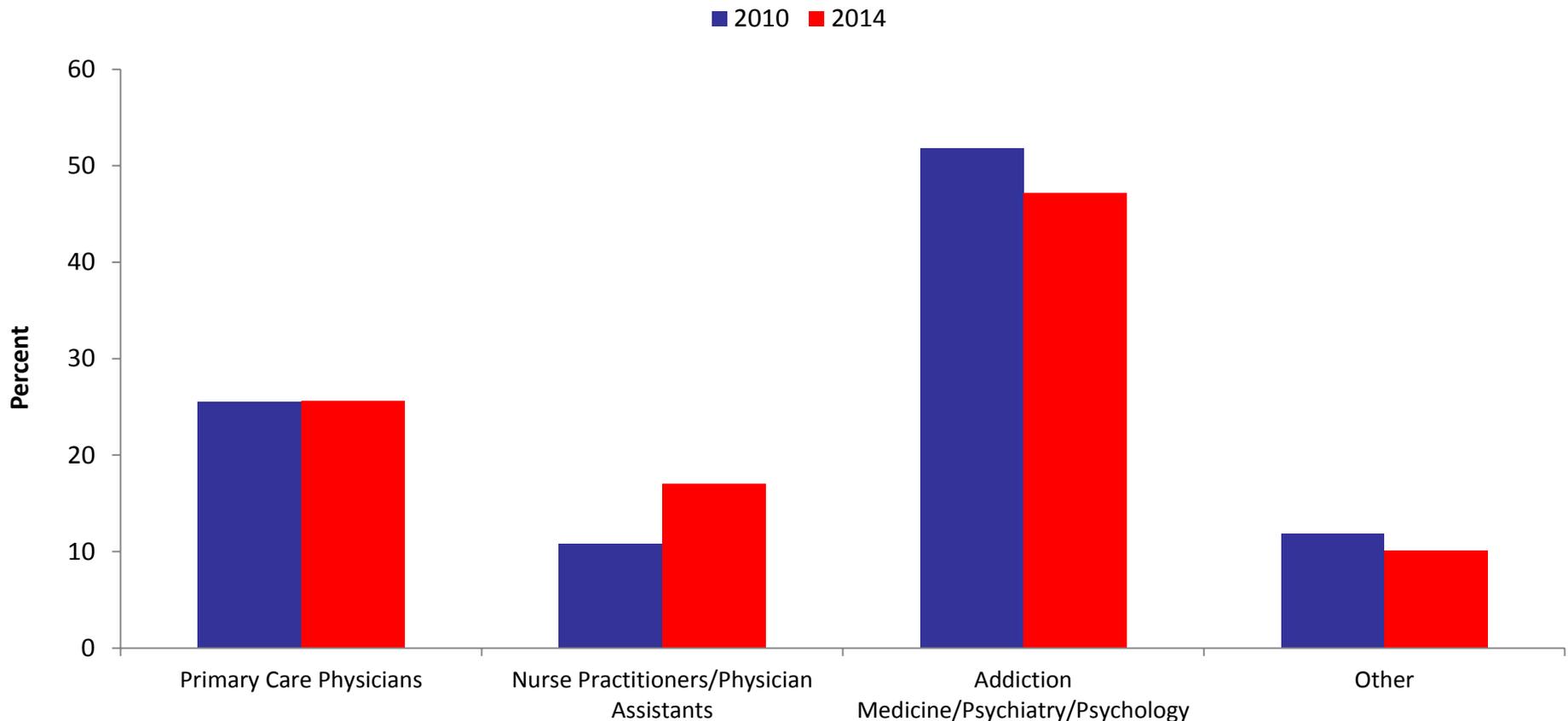
Vivitrol All Naltrexone



* Naltrexone is also approved for use in alcohol dependence. Thus, not all prescriptions were used for opioid dependence
†The number of prescriptions dispensed for Vivitrol from specialty pharmacies is approximately 3-4x that from US retail pharmacies.
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015



Percentage of naltrexone* prescriptions dispensed from US retail pharmacies+ by specialty, 2010 vs 2014



* Naltrexone is also approved for use in alcohol dependence. Thus, not all prescriptions were used for opioid dependence
+The number of prescriptions dispensed for Vivitrol from specialty pharmacies is approximately 3-4x that from US retail pharmacies.
Source: IMS Health National Prescription Audit, Data Extracted 8/24/2015

Conclusions

- The number of prescriptions dispensed for opioid analgesics has declined in recent years
- The number of prescriptions dispensed for benzodiazepines has been relatively consistent
- The number of prescriptions dispensed for stimulants has increased in recent years
- The number of prescriptions dispensed for both naltrexone and buprenorphine has increased in recent years
- There is variation in prescribing by provider specialty and patient gender and age across the examined drug classes



Questions?

Christopher.M.Jones@fda.hhs.gov

The findings in this presentation do not represent the official position of the US Food and Drug Administration, the Department of Health and Human Services, or the U.S. Government